$$\begin{array}{c|c}
R^3 & R^2 \\
R & R^1 \\
R &$$

Ι

wherein:

 R^1 , R^2 , and R^3 independently are hydrogen, halo, hydroxy, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, NO_2 , NR^4R^5 , CN, or CF_3 ;

E is independently O or S;

A and B independently are OR⁴ or NR⁴R⁵;

each R⁴ and R⁵ independently are H, C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, (CH₂)_n aryl, (CH₂)_n cycloalkyl, (CH₂)_n heteroaryl, or R⁴ and R⁵ when taken together with the nitrogen to which they are attached complete a 3- to 8-membered ring, optionally containing a heteroatom selected from O, S, or NH, and optionally substituted or unsubstituted;

n is an integer from 0 to 6;

or a pharmaceutically acceptable salt thereof.

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2. A method for inhibiting matrix metalloproteinase enzymes in a mammal comprising administering to the mammal an MMP inhibiting amount of a compound of Formula II

$$R^4O$$
 O
 O
 O
 O
 O
 O
 O
 O

wherein:

 R^1 , R^2 , and R^3 independently are hydrogen, halo, hydroxy, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, NO_2 , NR^4R^5 , CN, or CF_3 ; and

R⁴ and R⁵ is independently H, C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆
alkynyl, (CH₂)_n aryl, (CH₂)_n cycloalkyl, or (CH₂)_n heteroaryl, or
R⁴ and R⁵ when taken together with the nitrogen to which they are
attached complete a 3- to 8-membered ring, optionally containing a
heteroatom selected from O, S, or NH, and optionally substituted
or unsubstituted;

n is an integer from 0 to 6; or a pharmaceutically acceptable salt thereof.

 A method for inhibiting matrix metalloproteinase enzymes in a mammal comprising administering to the mammal an MMP inhibiting amount of a compound of Formula III

wherein:

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- R^1 , R^2 , and R^3 independently are hydrogen, halo, hydroxy, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, NO_2 , NR^4R^5 , CN, or CF_3 ;
- R⁴ and R⁵ independently are H, C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, (CH₂)_n aryl, (CH₂)_n cycloalkyl, (CH₂)_n heteroaryl, or R⁴ and R⁵ when taken together with the nitrogen to which they are attached complete a 3- to 8-membered ring, optionally containing a heteroatom selected from O, S, or NH, and optionally substituted or unsubstituted;

n is an integer from 0 to 6; or a pharmaceutically acceptable salt thereof.

4. A method for inhibiting matrix metalloproteinase enzymes in a mammal comprising administering to the mammal an MMP inhibiting amount of a compound of Formula IV

$$\mathbb{R}^{7}$$
 $\mathbb{C}^{(CH_2)_n}$
 \mathbb{R}^{3}
 \mathbb{R}^{2}
 \mathbb{R}^{1}
 \mathbb{R}^{1}
 \mathbb{R}^{8}
 \mathbb{R}^{8}
 \mathbb{R}^{9}

wherein:

Each R^1 , R^2 , and R^3 independently are hydrogen, halo, hydroxy, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, NO_2 , NR^4R^5 , CN, or CF_3 ;

Each R⁴ and R⁵ independently are H, C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, (CH₂)_n aryl, (CH₂)_n cycloalkyl, (CH₂)_n heteroaryl, or R⁴ and R⁵ when taken together with the nitrogen to which they are attached complete a 3- to 8-membered ring, optionally containing a heteroatom selected from O, S, or NH, and optionally substituted or unsubstituted;

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 R^6 , R^7 , R^8 , and R^9 independently are hydrogen, halo, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, nitro, or NH₂; and

n is an integer from 0 to 6;

or a pharmaceutically acceptable salt thereof.

5 A method for inhibiting matrix metalloproteinase enzymes in a mammal comprising administering to the mammal an MMP inhibiting amount of a compound of Formula V

$$R^{3} \xrightarrow{\mathbb{R}^{2}} \mathbb{R}^{1}$$

$$V$$

$$V$$

$$O - (CH_{2})_{n} - Het$$

wherein:

 R^1 , R^2 , and R^3 independently are hydrogen, halo, hydroxy, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, NO_2 , NR^4R^5 , CN, or CF_3 , and Het is an unsubstituted or substituted heteroaryl group;

R⁴ and R⁵ independently are H, C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, (CH₂)_n aryl, (CH₂)_n cycloalkyl, (CH₂)_n heteroaryl, or R⁴ and R⁵ when taken together with the nitrogen to which they are attached complete a 3- to 8-membered ring, optionally containing a heteroatom selected from O, S, or NH, and optionally substituted or unsubstituted;

n is an integer from 0 to 6; or a pharmaceutically acceptable salt thereof.

 A method for inhibiting matrix metalloproteinase enzymes in a mammal comprising administering to the mammal an MMP inhibiting amount of a compound of Formula VI

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or a pharmaceutically acceptable salt thereof,

wherein:

 R^1 , R^2 , and R^3 independently are hydrogen, halo, hydroxy, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, NO_2 , NR^4R^5 , CN, or CF_3 ;

R⁴ and R⁵ independently are H, C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, (CH₂)_n aryl, (CH₂)_n cycloalkyl, (CH₂)_n heteroaryl, or R⁴ and R⁵ when taken together with the nitrogen to which they are attached complete a 3- to 8-membered ring, optionally containing a heteroatom selected from O, S, or NH, and optionally substituted or unsubstituted; and

n is an integer from 0 to 6.

7. A compound selected from:

 $\hbox{$4$-Methoxy-N,N'-bis-($4$-methoxybenzyl)-isophthalamide;}\\$

Isophthalic acid di-(2,1,3-benzothiadiazol-5-yl) methyl ester;

4-Methoxy-isophthalic acid dibenzyl ester;

4-Methoxy-isophthalic acid dipyridin-4-ylmethyl ester;

Isophthalic acid bis-(4-fluoro-benzyl) ester;

Isophthalic acid bis-(3-fluoro-benzyl) ester;

Isophthalic acid bis-(4-methoxy-benzyl) ester;

Isophthalic acid bis-(3-methoxy-benzyl) ester;

Isophthalic acid bis-(1,3-benzodioxol-5-ylmethyl) ester;

N,N'-Bis-(3-fluoro-benzyl)-isophthalamide;

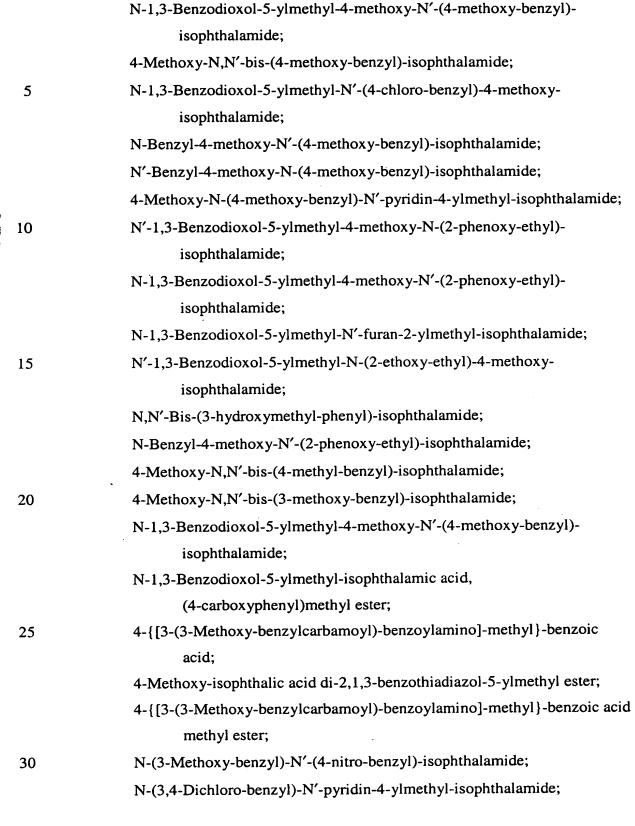
4-Acetyl-isophthalic acid dibenzyl ester;

4-Methoxycarbonylmethoxy-isophthalic acid dibenzyl ester;

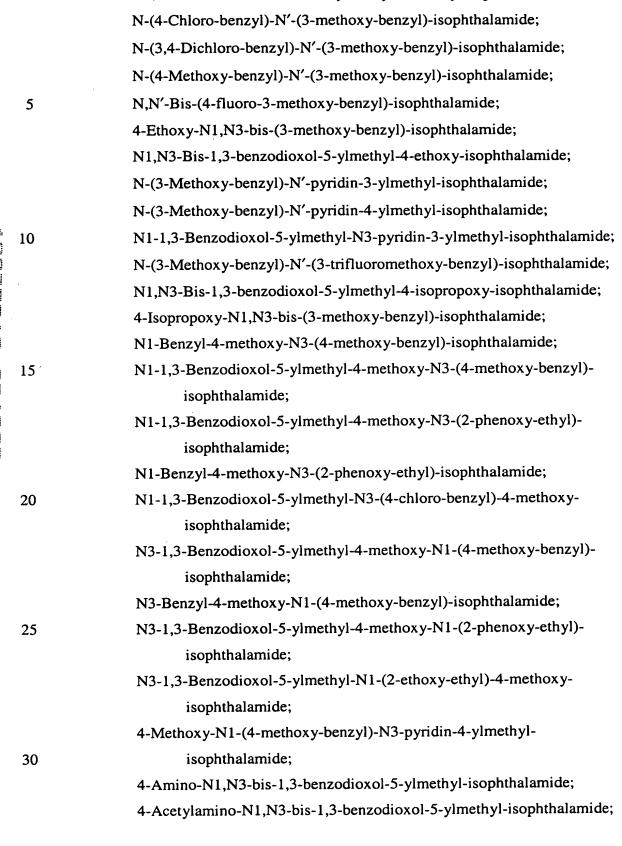
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N,N'-Bis-1,3-benzodioxol-5-ylmethyl-4-methoxy-isophthalamide;



N1,N3-Bis-1,3-benzodioxol-5-ylmethyl-4-ethoxy-isophthalamide;



N-(3-Methoxy-benzyl)-N'-pyridin-3-ylmethyl-isophthalamide; N-(3-Methoxy-benzyl)-N'-pyridin-4-ylmethyl-isophthalamide; N1-1,3-Benzodioxol-5-ylmethyl-N3-pyridin-3-ylmethyl-isophthalamide; N-(4-Chloro-benzyl)-N'-(3-methoxy-benzyl)-isophthalamide; N-(3.4-Dichloro-benzyl)-N'-(3-methoxy-benzyl)-isophthalamide; 5 N-(4-Methoxy-benzyl)-N'-(3-methoxy-benzyl)-isophthalamide; N-(3-Methoxy-benzyl)-N'-(4-methyl-benzyl)-isophthalamide; N,N'-Bis-(4-fluoro-3-methoxy-benzyl)-isophthalamide; ({3-[(1,3-Benzodioxol-5-ylmethyl)-carbamoyl]-benzoyl}-benzyl-amino)acetic acid; 10 N-Benzo[1,3]dioxol-5-ylmethyl-isophthalamic(4-hydroxymethyl-benzoic acid) ester; N-(3,4-Dichloro-benzyl)-N'-pyridin-4-ylmethyl-isophthalamide; N-(3-Methoxy-benzyl)-N'-(4-nitro-benzyl)-isophthalamide; 4-{[3-(3-Methoxy-benzylcarbamoyl)-benzoylamino]-methyl}-benzoic acid 15 methyl ester; N-3-methoxybenzyl-isophthalamic(4-hydroxymethyl-benzoic acid) ester; 4-{[3-(3-Methoxy-benzylcarbamoyl)-benzoylamino]-methyl}-benzoic acid: N-(3-Amino-benzyl)-N'-(3-methoxy-benzyl)-isophthalamide; 20 N-(3-Methoxy-benzyl)-N'-(3-nitro-benzyl)-isophthalamide; 4-Ethoxy-N'1,N"3-bis-(3-methoxy-benzyl)-isophthalamide; N1.N3-Bis-1.3-benzodioxol-5-ylmethyl-4-ethoxy-isophthalamide; N1.N3-Bis-1,3-benzodioxol-5-ylmethyl-4-propoxy-isophthalamide; N1.N3-Bis-1.3-benzodioxol-5-ylmethyl-4-isopropoxy-isophthalamide; 25 N1,N3-Bis-2,1,3-benzothiadiazol-5-ylmethyl-4-methoxy-isophthalamide; and 4-Methoxy-isophthalic acid di-2,1,3-benzothiadiazol-5-ylmethyl ester. A pharmaceutical composition, comprising a compound of Claim 1, or a 8. pharmaceutically acceptable salt thereof, admixed with a pharmaceutically 30

acceptable carrier, diluent, or excipient.

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- 9. A pharmaceutical composition for inhibiting MMP-13 in a mammal, comprising an MMP-13 inhibiting amount of a compound of Claim 1, or a pharmaceutically acceptable salt thereof, admixed with a pharmaceutically acceptable carrier, diluent, or excipient.
- 10. A method for inhibiting MMP-13 in an animal, comprising administering to the animal an MMP-13 inhibiting amount of a compound of Formula I, or a pharmaceutically acceptable salt thereof.
- 11. A method for treating a disease mediated by an MMP-13 enzyme, comprising administering to a patient suffering from such a disease an effective amount of a compound of Formula I, or a pharmaceutically acceptable salt thereof.
- 12. A method for treating a cancer, comprising administering to a patient suffering from such a disease an anticancer effective amount of a compound of Formula I, or a pharmaceutically acceptable salt thereof.
- 13. A method for treating breast carcinoma, comprising administering to a patient suffering from such a disease an anticancer effective amount of a compound of Formula I, or a pharmaceutically acceptable salt thereof.
 - 14. A method for treating a rheumatoid arthritis, comprising administering to a patient suffering from such a disease an effective amount of a compound of Formula I, or a pharmaceutically acceptable salt thereof.
 - 15. A method for treating a osteoarthritis, comprising administering to a patient suffering from such a disease an effective amount of a compound of Formula I, or a pharmaceutically acceptable salt thereof.

- 16. A method for treating a heart failure, comprising administering to a patient suffering from such a disease an effective amount of a compound of Formula I, or a pharmaceutically acceptable salt thereof.
- 5 17. A method for treating a inflammation, comprising administering to a patient suffering from such a disease an effective amount of a compound of Formula I, or a pharmaceutically acceptable salt thereof.